

## ABSTRACT OF THE DISCLOSURE

A fluorescent lamp of this invention has a phosphor film formed on the inner wall surface and a discharge medium containing xenon-gas filled in the glass tube having the sealing portions at both ends. In this one end in the glass tube, an inner electrode is arranged and a first feeding lead wire connected to this inner electrode is connected to one of the sealing portion by penetrating airtight. On the outer surface of the glass tube, an outer electrode composed of a conductor spirally wound round it along the axial direction of the tube. At the other end of the glass tube, a second feeding lead wire is buried in the sealing portion and the other end is lead out of the glass tube. The end of this outer electrode is electrically connected to the second feeding lead wire and mechanically fixed there. Further, the outer surface of the outer electrode including the glass tube is covered with a translucent resin film layer and thereby, fixing the outer electrode to the outer surface of the glass tube in one united body.